

- HVK201-12A006/90B1-Y
- APK104-12-006/31
- HVK201-12A002/21B
- HVK201-12A006/93
- HVK201-12A006/02T
- HVK101-12A002/40A
- HVK102-12A002/70
- HVZ006-003/53

All dimensions are in mm; tolerances according to ISO 2768 m-H
Y = Part number has to be accomplished by codification

Interface

According to RN_079-01

Documents

Assembly instruction MA_HV0007

Preliminary

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RF_35/09_14/6.2

Material and plating

Connector parts

Outer contact
Locking ring
Power contact
Seal (Cable)
Crimping ferrule
Locking Cap
Housing
Insulator
C-Ring center contact lock

Material

Brass
PA66-GF15
Copper
Silicon
Brass
PA12-GF30
see data sheet of piece part
PBT-GF30
PA66-GF15

Plating / Colour

Sn, min. 3µm
Grey
Ag, min. 3µm
Black
Ni, min. 3µm
Green
Nature
Blue

Electrical data

Insulation resistance ≥ 200 MΩ at 1000 V DC
Voltage class B
60 V DC < U ≤ 1500 V DC
25 V AC < U ≤ 1000 V AC
Contact resistance (Current) ≤ 2,34 mΩ
Contact resistance (EMV) ≤ 10 mΩ
Test voltage 2700 VDC
Working voltage 750 VDC
Ampacity tbd
EMI (shielding effectiveness) 70 dB (10 kHz - 5 MHz)
65 dB (5 MHz - 500 MHz)
High Voltage Interlock (HVIL) Yes
Power pins min. 1mm advanced

- Limitations are possible due to the used cable type -

Mechanical data

Mating cycles ≥ 50
Engagement force ≤ 75 N
Coding efficiency ≥ 280 N
IP code mated IP6K9K/ IPX8/ IPXXD
IP code unmated IPXXB

Preliminary

Environmental data

Temperature range -40°C to +140°C
RoHS compliant

- Limitations are possible due to the used cable type -

Suitable cables

Cable type 2.5mm² (LV-216-2)
Coroplast
Part No.: 9-2641 / 2x2,5mm²
Type: FLR2G2GCB2G 2x2,5mm² / T175

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Technical Data Sheet

Rosenberger

HVR

Right Angeled
Waterproof Jack

HVK201-12A002B1-Y

Tooling

Crimping tool

see MA_HV0007

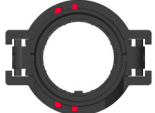

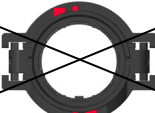
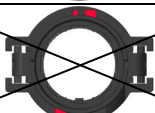
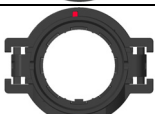
Packing

Standard
Weight

see data sheet of piece part
108.69 g/pce

Coding

Part Number has to be accomplished by codification

Coding	Plug	Colour	RAL	Part-Number
A		black	sim. 9005	HVK201-12A002B1-A
B		black	sim. 9005	HVK201-12A002B1-B
C		black	sim. 9005	HVK201-12A002B1-C
D		black	sim. 9005	HVK201-12A002B1-D
Z		black	sim 9005	HVK201-12A002B1-Z

Preliminary

While the information has been carefully compiled to the best of our knowledge, nothing is intended as representation or warranty on our part and no statement herein shall be construed as recommendation to infringe existing patents. In the effort to improve our products, we reserve the right to make changes judged to be necessary.

Draft	Date	Approved	Date	Rev.	Engineering change number	Name	Date
L.Schneider	27.03.15	S. Rutz	07.07.15	200	15-0699	M. Marks	07.07.15
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